

# Hard Media Distribution Scenario

User	System	Operator
	(successful operational path)	
	All of the messages listed below go to a log file which may be viewed by operations personnel.	Specific alerts requiring operator intervention are <i>shown in italics</i> .
	1) LaRC Data Server receives a CD-ROM Data Distribution Request from Jill Curious for a	
Aug. 30, 1997, 9:10	two CERES 12aV products (668 MB in 48 files)	Review the log record at operator's discretion
Jill Curious at the Kansas City, Kansas, Central Library requests a CD-ROM distribution of two CERES 12aV products	LOG: receipt time - Aug. 30, 1997, 9:10; req. ID; requestor - Jill Curious, Kansas City, Kansas Central Library; media type - CD-ROM; request state - queued	
	2) Retrieve Data from Persistent Storage	
	Retrieve Associated Metadata	Review the log and the queue record at operator's discretion
	LOG: receipt time - Aug. 30, 1997, 9:10; req. ID; requestor - Jill Curious, Kansas City, Kansas Central Library; media type - CD-ROM; request state - processing	
	(Recalculate and compare file checksum)	
		Operator can manually change M - medium priority of the request to L - low, or H - high
	Upon completion of staging do (3) if available	

# Hard Media Distribution Scenario (cont.)

User	System	Operator
	2) Continued	
	LOG: receipt time - Aug. 30, 1997, 9:10; req. ID;	
	requestor - Jill Curious, Kansas City,	
	Kansas Central Library;	
	media type - CD-ROM;	
	request state - pending; 48 files; 668 MB	
	QUEUE: Aug. 30, 1997, 9:10; req. ID;	
	Jill Curious; 48 files; 668 MB;	
	priority -M; media type - CD-ROM;	
	state - pending	
	3) Apply Data Services, such as reformatting,	
	requestor conversion, subsetting (not A), etc.	
	4) System allocates a distribution device (CD-ROM)	Review the log and the queue record at
	Prompt DDT to insert media	operator's discretion
	Upon receiving DDT READY acknowledgement	<i>Insert media in CD-ROM drive, indicate READY</i>
	LOG: receipt time - Aug. 30, 1997, 9:10; req. ID;	DDT inserts CD-ROM, indicates READY
	requestor - Jill Curious, Kansas City,	
	Kansas Central Library; media ready;	
	media type - CD-ROM;	
	request state - active; 48 files; 668 MB	
	QUEUE: Aug. 30, 1997, 9:10; req. ID;	
	Jill Curious; 48 files; 668 MB;	
	priority -M; media type - CD-ROM;	
	request state - active; media ready	

# Hard Media Distribution Scenario (cont.)

User	System	Operator
	4) Continued	
	Transfer requested data to media.	
	Upon transfer completion:	
	LOG: receipt time - Aug. 30, 1997, 9:10; req. ID;	
	requestor - Jill Curious, Kansas City,	
	Kansas Central Library;	
	media type - CD-ROM;	
	request state - waiting for shipment;	
	48 files; 668 MB; 1 vlm written	
	QUEUE: Aug. 30, 1997, 9:10; req. ID;	<i>Request - Request ID, is ready for shipment</i>
	Jill Curious; 48 files; 668 MB;	DDT generates media label and shipping label
	priority -M; media type - CD-ROM;	(post release A - automatic generation)
	state - waiting for shipment	
		DDT packages and ships the media to the
	Generate Packing List:	requestor
	Requester ID; Jill Curious; Kansas City, Kansas	
	Central library; 1 CD ROM; 48 files, 668 MB on	
	volume 1; recording format	
	5) Send an e-mail message (if address known)	Review the log and the queue record at
Jill Curious receives an	to Jill Curious: "request shipped".	operator's discretion
e-mail notification of shipment		
(if she has an e-mail address)	LOG: receipt time - Aug. 30, 1997, 9:10; req. ID;	Operator changes the request status to SHIPPED
	requestor - Jill Curious, Kansas City,	
	Kansas Central Library;	
	media type - CD-ROM;	
	request state - shipped;	
	48 files; 668 MB; 1 vlm written	